

PTO/SB/08a/b (08-03)

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Substitute for form 1449A/B/PTO				Complete If Known	
				Application Number	10/734499
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Filing Date	December 12, 2003
				First Named Inventor	Raanan A. Miller
				Art Unit	2881
				Examiner Name	Hashmi, Zia R.
Sheet	1	of	1	Attorney Docket Number	SION-P12-041

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
W	AA	2003/0052263 A1	03/20/03	Kaufman et al.	
	AB	2003/0132380 A1	07/17/03	Miller et al.	
	AC	6,639,212	10/28/03	Guevremont	
	AD	6,653,627	11/25/03	Guevremont	
	AE	6,690,004	02/10/04	Miller et al.	
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	AG	6,713,758	03/30/04	Guevremont	
	AH	2004/0094704 A1	05/20/04	Miller et al.	
	AI	6,753,522	06/22/04	Guevremont	
	AJ	6,770,875	08/03/04	Guevremont	
	AK	6,774,360	08/10/04	Guevremont	
	AL	6,787,765	09/07/04	Guevremont	
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	AN	6,806,466 B2	10/19/04	Guevremont	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
WJ	BA	WO-01/69217 A2	09/20/01	National Research Council Canada		

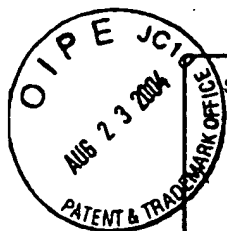
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NON PATENT LITERATURE DOCUMENTS			
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W	CA	"Comparison of the Planar and Coaxial Field Asymmetrical Waveform Ion Mobility Spectrometer (FAIMS)," International Journal of Mass Spectrometry, 225, (2003), pp. 39-51.	

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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	Zia R. Hashmi	Date Considered	5/23/05
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		Number-Kind Code ² (# known)			
✓	AA	US-2,615,135	10-21-1952	Glenn	
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	AD	US-3,511,986	05-12-1970	Llewellyn	
	AE	US-3,621,240	11-16-1971	Cohen et al.	
	AF	US-3,648,046	03-07-1972	Denison et al.	
	AG	US-3,931,589	01-06-1976	Aisenberg et al.	
	AH	US-4,019,989	04-26-1977	Hazewindus et al.	
	AI	US-4,025,818	05-24-1977	Giguere et al.	
	AJ	US-4,136,280	01-23-1979	Hunt et al.	
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	AD1	US-5,852,302	12-22-1998	Hiraishi et al.	
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Examiner Signature	ZIA R. HASHMI	Date Considered	5/23/05
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Wde	AR1	US-2001/0030285 A1	10-18-2001	Miller et al.	
	AS1	US-2002/0134932 A1	09-26-2002	Guevremont et al.	
	AT1	US-2002/0070338 A1	06-13-2002	Lododa	
	AU1	US-2003/0089847 A1	05-15-2003	Guevremont et al.	
	AV1	US-2003/0020012 A1	01-30-2003	Guevremont	
	AW1	US-2003/0038235 A1	02-27-2003	Guevremont et al.	
	AX1	US-6,323,482 B1	11-27-2001	Clemmer et al.	
	AY1	US-6,512,224	01-28-2003	Miller et al.	
	AZ1	US-6,621,077	09-16-2003	Guevremont et al.	

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		Country Code ² -Number ³ -Kind Code ⁴ (if known)				
Wde	BA	WO-00/08454	02-17-2000	National Research Council Canada		
	BB	WO-00/08455	02-17-2000	National Research Council Canada		
	BC	WO-00/08456	02-17-2000	National Research Council Canada		
	BD	WO-00/08457	02-17-2000	National Research Council Canada		
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	BI	SU-1627984 A2	02-15-1991	Buryakov		
	BJ	WO-01/08197 A1	02-01-2001	The Charles Stark Draper Laboratory		
	BK	WO-01/22049 A2	03-29-2001	Haley et al.		
	BL	WO-01/35441 A1	05-17-2001	The Charles Stark Draper Laboratory		
	BM	WO-96/19822 A1	06-27-1996	The Charles Stark Draper Laboratory		
	BN	WO-01/69220 A2	09-20-2001	National Research Council Canada		
	BO	WO-01/69647 A2	09-20-2001	National Research Council Canada		
	BP	WO-02/071053 A2	09-12-2002	The Charles Stark Draper Laboratory		
	BQ	WO-02/083276	10-24-2002	The Charles Stark Draper Laboratory, Inc.		
	BR	WO-03/005016	01-16-2003	Sionex Corporation		
BS	WO-2003/015120	02-20-2003	Sionex Corporation			

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<i>Mo</i>	CA	"A Micromachined Field Driven Radio Frequency-Ion Mobility Spectrometer for Trace Level Chemical Detection," A Draper Laboratory Proposal Against the "Advanced Cross-Enterprise Technology Development for NASA Missions," Solicitation, NASA NRA 99-OSS-05.	
	CB	BARNETT et al., "Isotope Separation Using High-Field Asymmetric Waveform Ion Mobility Spectrometry," Nuclear Instruments & Methods in Physics Research, Vol. 450, No. 1, pp. 179-185 (2000).	
	CC	BURYAKOV et al., "A New Method of Separation of Multi-Atomic Ions by Mobility at Atmospheric Pressure Using a High-Frequency Amplitude-Asymmetric Strong Electric Field," International Journal of Mass Spectrometry and Ion Processes, Vol. 128, pp. 143-148 (1993).	
	CD	BURYAKOV et al., "Drift Spectrometer for the Control of Amine Traces in the Atmosphere," J. Anal. Chem., Vol. 48, No. 1, pp. 112-121 (1993).	
	CE	BURYAKOV et al., "Separation of Ions According to Mobility in a Strong AC Electric Field," Letters to Journal of Technical Physics, Vol. 17, pp. 11-12 (1991).	
	CF	BURYAKOV et al., "Device and Method for Gas Electrophoresis, Chemical Analysis of Environment," ed. Prof. V.V. Malakhov, Novosibirsk: Nauka, pp. 113-127 (1991).	
	CG	CARNAHAN et al., "Field Ion Spectrometry - A New Analytical Technology for Trace Gas Analysis," ISA, Vol. 51, No. 1, pp. 87-96 (1996).	
	CH	CARNAHAN et al., "Field Ion Spectrometry - A New Technology for Cocaine and Heroin Detection," SPIE, Vol. 2937, pp. 106-119 (1997).	
	CI	EICEMAN et al., "Miniature radio-frequency mobility analyzer as a gas chromatographic detector for oxygen-containing volatile organic compounds, pheromones and other insect attractants," Journal of Chromatography, Vol. 917, pp. 205-217 (2001).	
	CJ	GUEVREMONT et al., "Atmospheric Pressure Ion Focusing in a High-Field Asymmetric Waveform Ion Mobility Spectrometer," Review of Scientific Instruments, Vol. 70, No. 2, pp. 1370-1383 (1999).	
	CK	GUEVREMONT et al., "Calculation of Ion Mobilities from Electrospray Ionization High-Field Asymmetric Waveform Ion Mobility Spectrometry Mass Spectrometry," Journal of Chemical Physics, Vol. 114, No. 23, pp. 10270-10277 (2001).	
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	CN	KRYLOV, "A Method of Reducing Diffusion Losses in a Drift Spectrometer," Technical Physics, Vol. 4d, No. 1, pp. 113-116 (1999).	
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<i>HA</i>	CP	MILLER et al., "A MEMS Radio-Frequency Ion Mobility Spectrometer for Chemical Agent Detection," Proceedings of the 2000 SolidState Sensors and Actuators Workshop (Hilton Head, SC, June 2000)	
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	CR	MILLER et al., "A Novel Micromachined High-Field Asymmetric Waveform-Ion Mobility Spectrometer," Sensors and Actuators B, Vol. B67, No. 3, pp. 300-306 (2000).	
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	CT	RIEGNER et al., "Qualitative Evaluation of Field Ion Spectrometry for Chemical Warfare Agent Detection," Proceedings of the ASMS Conference on Mass Spectrometry and Allied Topics, pp. 473A-473B (1997).	
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